

CLAIMS

1. A flying type thin-film magnetic head comprising:
a write head element with a coil conductor and a yoke,
a write current flowing through said coil conductor;
an overcoat layer laminated on said write head element;
and
a heat-block layer formed in said overcoat layer and
made of a material with a heat conductivity that is lower than
a heat conductivity of said overcoat layer.
2. The thin-film magnetic head as claimed in claim 1,
wherein said heat-block layer is formed to cover a region with
an area larger than that of a region on which said coil
conductor is formed.
3. The thin-film magnetic head as claimed in claim 1,
wherein said heat-block layer is formed to cover over said
coil conductor.
4. The thin-film magnetic head as claimed in claim 1,
wherein said heat-block layer is formed in parallel with a
plane on which said coil conductor is formed.
5. The thin-film magnetic head as claimed in claim 1,
wherein a distance between said heat-block layer and an air

bearing surface is less than 15 μm .

6. The thin-film magnetic head as claimed in claim 1, wherein a distance between said heat-block layer and an air bearing surface is less than 7.5 μm .

7. The thin-film magnetic head as claimed in claim 1, wherein said thin-film magnetic head further comprises a heater coil conductor formed below said heat-block layer for generating heat when said head is in operation.

8. The thin-film magnetic head as claimed in claim 1, wherein said heat-block layer is made of a resist material.

9. The thin-film magnetic head as claimed in claim 1, wherein said thin-film magnetic head further comprises a read head element.